

## ABSTRACT OF DISCLOSURE

Media manipulation and sensing apparatuses having a media type detector and method for media type detection, wherein non-linear characteristics of light sensors used for measuring a media type are compensated for by adjusting for the light flux capability of one of the sensors to be greater than the light flux capability of another sensor, such that the ratio between the two sensor is accurately represents the glossiness of an illuminated media. An algorithm technique is applied such that a value for a detected sensor signal, which falls in a non-linear range of a sensor characteristic curve, is extrapolated to a value that corresponds to a position on a projection of a linear portion of the sensor characteristic curve, and thereby measuring the glossiness based on the extrapolated sensor signal.